



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2008
Code: 11341346
SAU: Portland Public Schools
School: Nathan Clifford School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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SUMMARY OF SCORES

Test Date: March 2008

Grade: 4

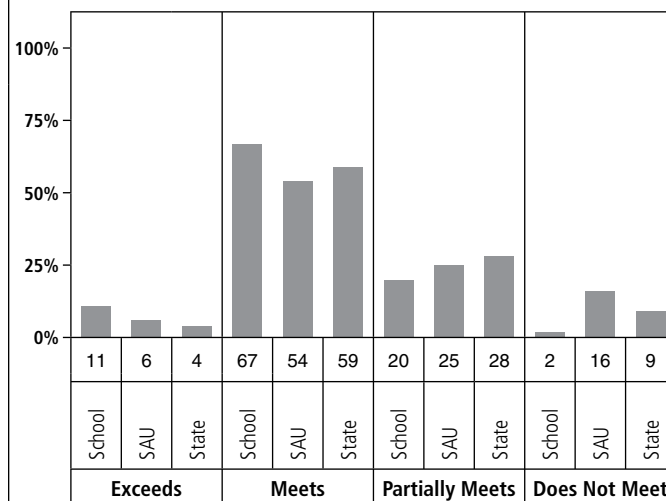
SAU: Portland Public Schools

School: Nathan Clifford School

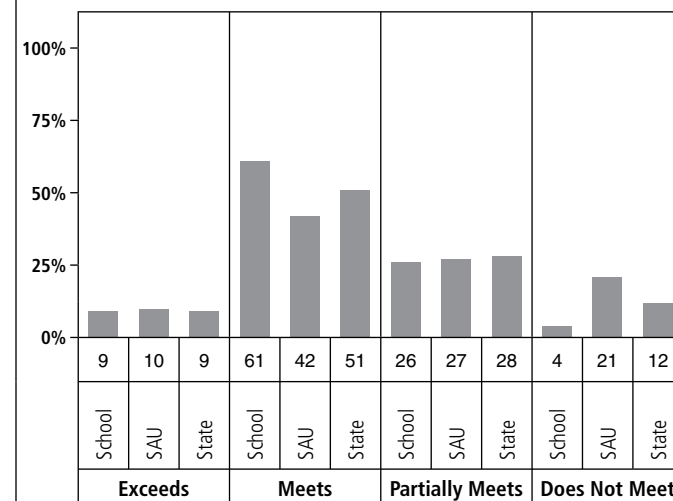
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	448	444	444
2006–2007	448	443	445
2007–2008	450	443	445
Cum. Avg. *	449	443	445
Mathematics			
2005–2006	448	444	444
2006–2007	448	442	445
2007–2008	448	442	445
Cum. Avg. *	448	443	445
Science & Technology			
2005–2006	443	443	444
2006–2007	447	441	444
2007–2008	445	441	444
Cum. Avg. *	445	442	444

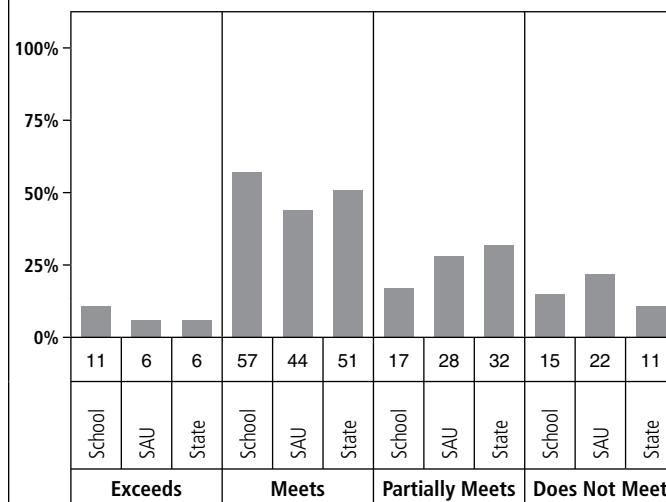
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 4
 SAU: Portland Public Schools
 School: Nathan Clifford School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																											
							ELA-Reading						Mathematics						Science and Technology						School			SAU			State			
	School		SAU		State		School		SAU		State		School		SAU		State																	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%				
Total number of students	47	100	516	100	14207	100	46	98	509	99	14181	100	46	98	511	99	14123	100	46	98	508	98	14115	99										
Ethnicity African American/Black	6	13	96	19	390	3	6	100	94	98	388	99	6	100	96	100	388	99	6	100	94	98	386	99										
American Indian or Native Alaskan	0	0	1	0	101	1	0	0	1	100	101	100	0	0	1	100	101	100	0	0	1	100	101	100										
Asian or Pacific Islander	7	15	56	11	263	2	7	100	56	100	259	98	7	100	56	100	262	100	7	100	56	100	262	100										
Hispanic	2	4	19	4	170	1	2	100	18	95	168	99	2	100	18	95	166	98	2	100	18	95	166	98										
Caucasian/White	32	68	344	67	13282	93	31	97	340	99	13264	100	31	97	340	99	13205	100	31	97	339	99	13199	99										
Not Reported	0	0	0	0	1	0	0	0	0	0	1	100	0	0	0	0	1	100	0	0	0	0	1	100										
Identified disability	7	15	91	18	2524	18	7	100	90	99	2514	100	7	100	90	99	2498	99	7	100	88	97	2494	99										
Current LEP	12	26	129	25	385	3	12	100	126	98	377	98	12	100	129	100	383	99	12	100	126	98	380	99										
Economically disadvantaged	26	55	265	51	5587	39	26	100	259	98	5569	100	26	100	261	98	5538	99	26	100	258	97	5534	99										
Migrant	0	0	0	0	5	0	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100										

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	37	79	324	63	10755	76	36	77	323	63	10730	76	36	77	323	63	10776	76						
Identified disability (PET/IEP)	0	0	9	3	375	3	0	0	9	3	374	3	0	0	9	3	384	4						
LEP	9	24	37	11	148	1	9	25	37	11	148	1	9	25	37	11	150	1						
504 plan	0	0	2	1	114	1	0	0	2	1	114	1	0	0	2	1	115	1						
Participation with accommodations	9	19	182	35	3298	23	10	21	187	36	3267	23	10	21	185	36	3215	23						
Identified disability (PET/IEP)	7	78	80	44	2013	61	7	70	80	43	1998	61	7	70	79	43	1986	62						
LEP	3	33	86	47	225	7	3	30	91	49	233	7	3	30	89	48	229	7						
504 plan	0	0	0	0	69	2	0	0	0	0	68	2	0	0	0	0	67	2						
Other	1	11	26	14	1046	32	2	20	26	14	1023	31	2	20	27	15	987	31						
Participation through alternate assessment (PAAP)	0	0	1	0	126	1	0	0	1	0	126	1	0	0	0	0	124	1						
Identified disability (PET/IEP)	0	0	1	100	126	100	0	0	1	100	126	100	0	0	0	0	124	100						
LEP	0	0	1	100	2	2	0	0	1	100	2	2	0	0	0	0	1	1						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	2	0	2	0																		
Approved non-participation – special consideration	0	0	0	0	15	0	0	0	0	0	16	0	0	0	0	0	12	0						
Non-participation – other	1	2	7	1	11	0	1	2	5	1	68	0	1	2	8	2	80	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 4
SAU: Portland Public Schools
School: Nathan Clifford School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 461–480)	2005-2006	2	4	33	7	601	4
	2006-2007	3	9	15	3	507	4
	2007-2008	5	11	28	6	559	4
	Cum. Total*	10	8	76	5	1667	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 441–460)	2005-2006	33	72	266	53	7910	57
	2006-2007	21	62	261	53	8749	63
	2007-2008	31	67	271	54	8308	59
	Cum. Total*	85	67	798	53	24967	60
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 431–440)	2005-2006	10	22	120	24	3970	29
	2006-2007	8	24	148	30	3467	25
	2007-2008	9	20	128	25	3922	28
	Cum. Total*	27	21	396	26	11359	27
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 400–430)	2005-2006	1	2	79	16	1421	10
	2006-2007	2	6	68	14	1165	8
	2007-2008	1	2	79	16	1264	9
	Cum. Total*	4	3	226	15	3850	9

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	48	100	33.5	69.8	28.5	59.4	29.7	61.9
Literary Text	24	50	17.7	73.8	14.8	61.7	15.5	64.6
Informational Text	24	50	15.8	65.8	13.7	57.1	14.2	59.2

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: Portland Public Schools
 School: Nathan Clifford School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	46	5	11	31	67	9	20	1	2	450	506	6	54	25	16	443	14053	4	59	28	9	445
Ethnicity																						
African American/Black	6	0	0	5	83	1	17	0	0	446	91	1	24	37	37	434	384	1	36	35	28	438
American Indian or Native Alaskan	0										1						101	1	46	44	10	442
Asian or Pacific Islander	7	0	0	5	71	2	29	0	0	444	56	0	41	38	21	439	259	6	61	22	11	445
Hispanic	2										18	0	39	28	33	436	164	0	45	38	16	440
Caucasian/White	31	5	16	21	68	4	13	1	3	453	340	8	64	20	8	447	13144	4	60	28	8	445
Not Reported	0										0						1					
Identified disability																						
Yes	7	0	0	1	14	5	71	1	14	438	89	0	28	42	30	435	2388	0	29	44	26	437
No	39	5	13	30	77	4	10	0	0	452	417	7	59	22	12	445	11665	5	65	25	6	446
Current LEP																						
Yes	12	0	0	8	67	4	33	0	0	444	123	0	26	37	37	434	373	1	32	35	32	436
No	34	5	15	23	68	5	15	1	3	452	383	7	62	22	9	446	13680	4	60	28	8	445
Economically disadvantaged																						
Yes	26	1	4	16	62	9	35	0	0	446	257	1	36	38	25	438	5502	1	47	37	14	441
No	20	4	20	15	75	0	0	1	5	455	249	10	72	12	6	449	8551	6	67	22	5	447
Migrant																						
Yes	0										0						5	0	40	60	0	445
No	46	5	11	31	67	9	20	1	2	450	506	6	54	25	16	443	14048	4	59	28	9	445
Gender																						
Female	27	4	15	20	74	3	11	0	0	452	257	9	54	22	15	445	6959	5	61	26	8	446
Male	19	1	5	11	58	6	32	1	5	448	249	2	53	29	16	442	7093	3	57	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	16	0	0	9	56	7	44	0	0	445	214	0	42	32	26	439	1890	0	37	46	17	439
No	30	5	17	22	73	2	7	1	3	453	292	9	62	20	8	447	12163	5	63	25	8	446
Gifted/talented program																						
Yes	0										8	0	100	0	0	453	266	21	74	4	0	456
No	46	5	11	31	67	9	20	1	2	450	498	6	53	26	16	443	13787	4	59	28	9	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 4

SAU: Portland Public Schools

School: Nathan Clifford School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	0	0	1	100	0	0	434	3	0	7	40	53	428	5	1	42	36	21	440
B. less than one hour	76	3	9	25	71	6	17	1	3	449	68	5	55	25	15	444	74	4	62	27	7	445
C. one to two hours	22	2	20	6	60	2	20	0	0	454	27	8	60	23	9	446	18	5	59	29	7	446
D. more than two hours	0										2	0	17	50	33	431	2	3	32	34	31	438
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	30	2	14	9	64	3	21	0	0	451	22	5	61	19	15	446	30	6	63	24	7	446
B. They match some of what I have learned.	54	3	12	19	76	3	12	0	0	452	54	6	60	26	8	445	52	4	63	27	6	446
C. They match just a little of what I have learned.	13	0	0	3	50	3	50	0	0	443	16	4	36	33	27	439	12	2	46	37	15	441
D. There is no match.	2	0	0	0	0	0	0	1	100	430	8	3	28	26	44	434	5	0	33	40	26	437
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	46	3	14	14	67	4	19	0	0	451	36	8	58	22	12	446	35	7	66	20	6	448
B. good	41	2	11	14	74	2	11	1	5	451	52	5	55	26	14	444	51	3	60	29	7	445
C. fair	13	0	0	3	50	3	50	0	0	442	12	2	38	32	28	438	12	1	44	40	16	440
D. poor	0										1	0	0	50	50	424	2	0	23	47	30	436
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	13	0	0	4	67	1	17	1	17	443	19	3	29	30	38	435	19	2	46	34	17	442
B. about the same as my regular schoolwork	80	4	11	26	70	7	19	0	0	451	64	6	63	22	9	446	62	5	64	26	5	446
C. easier than my regular schoolwork	7	1	33	1	33	1	33	0	0	454	17	5	50	32	13	443	18	3	58	29	10	444
How hard were the reading passages on this test?																						
A. Most of the passages were more difficult than what I usually read.	9	0	0	4	100	0	0	0	0	445	18	0	19	34	47	432	14	0	32	46	22	438
B. Most of the passages were about the same as what I usually read.	54	2	8	16	64	6	24	1	4	449	50	5	59	26	10	445	52	3	62	28	7	445
C. Most of the passages were easier than what I usually read.	37	3	18	11	65	3	18	0	0	453	32	10	66	19	5	449	33	7	68	20	5	448
How much time do you spend reading at home each day?																						
A. more than one hour	35	3	19	11	69	2	13	0	0	454	18	7	59	23	11	446	18	7	64	22	7	447
B. 20 minutes to an hour	61	2	7	19	68	6	21	1	4	448	60	6	58	25	10	445	55	4	64	26	6	446
C. less than 20 minutes	2	0	0	1	100	0	0	0	0	458	12	3	36	17	44	436	14	2	53	33	12	443
D. I rarely read at home.	2	0	0	0	0	1	100	0	0	440	10	2	39	41	18	439	13	1	44	39	16	441
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	13	0	0	3	50	2	33	1	17	440	16	6	36	36	22	441	23	3	50	34	13	442
B. six to ten pages	13	0	0	6	100	0	0	0	0	449	20	3	54	18	26	441	25	3	60	29	8	444
C. eleven or more pages	74	5	15	22	65	7	21	0	0	452	64	6	59	26	9	446	52	5	64	24	6	446
Optional school/SAU question																						
A.	0										33	0	0	0	100	421						
B.	100	0	0	0	0	1	100	0	0	432	33	0	0	75	25	432						
C.	0										8	0	0	100	0	432						
D.	0										25	33	0	0	67	432						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Number

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 4
SAU: Portland Public Schools
School: Nathan Clifford School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 461–480)	2005-2006	4	9	50	10	1294	9
	2006-2007	6	18	41	8	1054	8
	2007-2008	4	9	50	10	1321	9
	Cum. Total*	14	11	141	9	3669	9
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 441–460)	2005-2006	27	59	243	48	7000	50
	2006-2007	17	50	222	45	7394	53
	2007-2008	28	61	214	42	7079	51
	Cum. Total*	72	57	679	45	21473	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 429–440)	2005-2006	13	28	122	24	3784	27
	2006-2007	7	21	142	29	3729	27
	2007-2008	12	26	137	27	3955	28
	Cum. Total*	32	25	401	27	11468	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 400–428)	2005-2006	2	4	87	17	1894	14
	2006-2007	4	12	93	19	1735	12
	2007-2008	2	4	109	21	1642	12
	Cum. Total*	8	6	289	19	5271	13

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	15	31	9.8	65.3	8.6	57.3	9.5	63.3
Cluster 2: Shape and Size	14	29	9.2	65.7	8.5	60.7	9.1	65.0
Cluster 3: Mathematical Decision Making	5	10	3.9	78.0	3.2	64.0	3.4	68.0
Cluster 4: Patterns	14	29	10.5	75.0	9.3	66.4	9.7	69.3

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: Portland Public Schools
 School: Nathan Clifford School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	46	4	9	28	61	12	26	2	4	448	510	10	42	27	21	442	13997	9	51	28	12	445
Ethnicity																						
African American/Black	6	0	0	4	67	1	17	1	17	442	95	2	19	25	54	429	386	4	26	34	36	434
American Indian or Native Alaskan	0										1						101	3	46	41	11	442
Asian or Pacific Islander	7	0	0	5	71	2	29	0	0	449	56	4	43	30	23	440	262	14	51	23	12	447
Hispanic	2										18	6	17	39	39	433	162	4	41	34	21	440
Caucasian/White	31	4	13	19	61	7	23	1	3	449	340	13	49	26	11	446	13085	10	51	28	11	446
Not Reported	0										0						1					
Identified disability																						
Yes	7	0	0	1	14	4	57	2	29	434	89	0	20	35	45	431	2372	3	31	36	30	436
No	39	4	10	27	69	8	21	0	0	450	421	12	47	25	16	444	11625	11	54	27	8	447
Current LEP																						
Yes	12	0	0	8	67	4	33	0	0	446	128	3	23	30	44	432	381	4	33	28	35	435
No	34	4	12	20	59	8	24	2	6	448	382	12	48	26	14	445	13616	10	51	28	11	445
Economically disadvantaged																						
Yes	26	1	4	15	58	9	35	1	4	445	260	5	29	31	35	435	5472	5	41	35	19	440
No	20	3	15	13	65	3	15	1	5	451	250	15	56	22	7	449	8525	13	56	24	7	448
Migrant																						
Yes	0										0						5	0	80	20	0	448
No	46	4	9	28	61	12	26	2	4	448	510	10	42	27	21	442	13992	9	51	28	12	445
Gender																						
Female	27	2	7	17	63	8	30	0	0	447	259	10	40	29	21	442	6933	9	50	29	12	445
Male	19	2	11	11	58	4	21	2	11	448	251	10	44	25	22	442	7063	10	51	27	11	446
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	16	0	0	8	50	8	50	0	0	443	219	5	29	33	33	436	1890	2	34	41	23	438
No	30	4	13	20	67	4	13	2	7	450	291	13	52	22	13	446	12107	11	53	26	10	446
Gifted/talented program																						
Yes	0										8	75	25	0	0	467	266	45	49	5	0	461
No	46	4	9	28	61	12	26	2	4	448	502	9	42	27	22	441	13731	9	51	29	12	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 4
SAU: Portland Public Schools
School: Nathan Clifford School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	0	0	0	0	1	100	426	3	0	7	29	64	425	5	6	34	33	27	438
B. less than one hour	76	3	9	21	60	10	29	1	3	448	68	11	42	26	21	442	74	10	52	28	10	446
C. one to two hours	22	1	10	7	70	2	20	0	0	448	27	7	48	30	14	444	18	10	52	28	10	446
D. more than two hours	0										2	8	17	25	50	433	2	5	33	28	34	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	39	1	6	14	78	3	17	0	0	449	34	14	53	23	11	447	38	13	56	23	8	448
B. They match some of what I have learned.	52	3	13	13	54	7	29	1	4	448	47	11	42	30	17	444	48	8	52	29	10	445
C. They match just a little of what I have learned.	7	0	0	0	0	2	67	1	33	429	14	3	26	28	43	432	10	4	35	39	22	439
D. There is no match.	2	0	0	1	100	0	0	0	0	456	5	0	8	33	58	426	4	2	25	33	40	433
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	44	2	10	12	60	4	20	2	10	448	34	17	47	18	18	446	35	16	55	20	8	449
B. good	47	2	10	12	57	7	33	0	0	447	51	8	42	31	19	442	48	7	52	31	11	445
C. fair	9	0	0	3	75	1	25	0	0	448	12	2	36	32	31	437	14	3	41	38	18	440
D. poor	0										3	0	19	44	38	431	3	1	29	36	34	435
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	11	0	0	2	40	3	60	0	0	443	19	3	17	23	57	428	15	4	38	33	25	439
B. about the same as my regular schoolwork	64	2	7	22	76	4	14	1	3	449	64	11	46	32	11	445	64	10	54	28	9	446
C. easier than my regular schoolwork	24	2	18	3	27	5	45	1	9	445	17	14	52	18	16	445	21	13	52	24	11	447
How often do you use hands-on materials in mathematics class?																						
A. almost every day	26	1	8	5	42	6	50	0	0	446	20	5	29	38	28	437	23	8	47	29	16	443
B. two or three days a week	37	2	12	9	53	5	29	1	6	447	33	12	45	25	18	443	36	11	54	27	9	447
C. two or three times each month	24	0	0	10	91	0	0	1	9	448	26	12	47	23	18	445	25	10	53	27	10	446
D. never or almost never	13	1	17	4	67	1	17	0	0	450	21	9	45	26	20	442	16	9	46	32	13	444
How often do you use calculators in mathematics class?																						
A. almost every day	11	0	0	2	40	2	40	1	20	439	5	4	8	19	69	425	5	3	30	33	33	436
B. two or three days a week	22	2	20	3	30	4	40	1	10	444	21	13	35	30	22	442	19	8	50	30	12	445
C. two or three times each month	17	1	13	7	88	0	0	0	0	453	33	11	49	28	12	446	38	11	55	26	8	447
D. never or almost never	50	1	4	16	70	6	26	0	0	449	41	8	45	27	21	441	38	9	50	29	12	445
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	13	0	0	3	50	3	50	0	0	442	7	0	33	36	31	435	8	3	33	38	25	438
B. 30–45 minutes	35	1	6	11	69	3	19	1	6	448	27	9	41	29	21	442	27	6	48	33	13	443
C. 45–60 minutes	37	3	18	11	65	3	18	0	0	452	45	14	40	26	20	443	38	11	54	26	9	447
D. more than 60 minutes	15	0	0	3	43	3	43	1	14	440	21	6	51	24	19	442	26	13	55	23	9	448
Optional school/SAU question																						
A.	0										36	0	0	25	75	411						
B.	100	0	0	0	0	1	100	0	0	440	36	0	0	50	50	426						
C.	0										9	0	0	0	100	428						
D.	0										18	50	0	0	50	435						

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 4
SAU: Portland Public Schools
School: Nathan Clifford School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 461–480)	2005-2006	0	0	30	6	751	5
	2006-2007	5	15	32	6	963	7
	2007-2008	5	11	31	6	882	6
	Cum. Total*	10	8	93	6	2596	6
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 441–460)	2005-2006	23	50	241	48	7251	52
	2006-2007	15	44	210	43	6824	49
	2007-2008	26	57	224	44	7130	51
	Cum. Total*	64	51	675	45	21205	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 429–440)	2005-2006	20	43	157	31	4514	32
	2006-2007	10	29	162	33	4382	32
	2007-2008	8	17	141	28	4433	32
	Cum. Total*	38	30	460	31	13329	32
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 400–428)	2005-2006	3	7	74	15	1458	10
	2006-2007	4	12	90	18	1735	12
	2007-2008	7	15	112	22	1546	11
	Cum. Total*	14	11	276	18	4739	11

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	12	25	8.2	68.3	7.5	62.5	8.0	66.7
Cluster 2: Physical Sciences	12	25	7.6	63.3	6.6	55.0	7.2	60.0
Cluster 3: Earth and Space Sciences	12	25	7.4	61.7	6.9	57.5	7.4	61.7
Cluster 4: Nature and Implications of Science	12	25	7.8	65.0	7.3	60.8	7.6	63.3

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslg/gles.htm>.



SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: Portland Public Schools
 School: Nathan Clifford School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	46	5	11	26	57	8	17	7	15	445	508	6	44	28	22	441	13991	6	51	32	11	444
Ethnicity																						
African American/Black	6	0	0	2	33	3	50	1	17	436	94	0	15	34	51	430	385	2	27	35	36	434
American Indian or Native Alaskan	0										1						101	3	44	44	10	441
Asian or Pacific Islander	7	0	0	6	86	0	0	1	14	443	56	0	34	36	30	436	262	5	52	28	14	443
Hispanic	2										18	0	22	39	39	435	162	2	38	39	21	439
Caucasian/White	31	5	16	18	58	4	13	4	13	449	339	9	55	24	12	445	13080	7	52	31	10	444
Not Reported	0										0						1					
Identified disability																						
Yes	7	0	0	1	14	1	14	5	71	425	88	1	27	32	40	433	2370	2	32	41	25	437
No	39	5	13	25	64	7	18	2	5	449	420	7	48	27	18	443	11621	7	55	30	8	445
Current LEP																						
Yes	12	0	0	7	58	3	25	2	17	440	126	0	18	34	48	431	379	1	25	35	39	433
No	34	5	15	19	56	5	15	5	15	447	382	8	53	26	14	444	13612	6	52	32	10	444
Economically disadvantaged																						
Yes	26	2	8	11	42	7	27	6	23	440	258	2	26	35	37	435	5470	3	41	39	18	440
No	20	3	15	15	75	1	5	1	5	452	250	10	62	20	7	448	8521	9	57	27	7	446
Migrant																						
Yes	0										0						5	20	20	40	20	443
No	46	5	11	26	57	8	17	7	15	445	508	6	44	28	22	441	13986	6	51	32	11	444
Gender																						
Female	27	3	11	14	52	7	26	3	11	446	258	6	41	31	22	441	6929	6	49	33	12	443
Male	19	2	11	12	63	1	5	4	21	444	250	6	47	24	22	441	7061	7	53	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	16	0	0	6	38	6	38	4	25	438	216	0	31	33	36	435	1888	1	32	44	23	437
No	30	5	17	20	67	2	7	3	10	449	292	10	54	24	12	445	12103	7	54	30	9	445
Gifted/talented program																						
Yes	0										8	25	75	0	0	460	266	30	65	5	1	457
No	46	5	11	26	57	8	17	7	15	445	500	6	44	28	22	441	13725	6	51	32	11	444

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 4

SAU: Portland Public Schools

School: Nathan Clifford School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	0	0	0	0	1	100	404	3	0	7	33	60	424	5	4	37	36	22	439
B. less than one hour	76	4	11	20	57	7	20	4	11	446	68	6	45	29	20	442	74	6	53	31	10	444
C. one to two hours	22	1	10	6	60	1	10	2	20	448	27	7	50	25	19	443	18	7	52	32	8	445
D. more than two hours	0										2	0	25	17	58	431	2	4	31	33	32	437
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	17	0	0	7	88	0	0	1	13	448	18	8	52	21	20	443	24	9	53	28	10	446
B. They match some of what I have learned.	52	3	13	12	50	6	25	3	13	445	48	7	49	29	15	443	49	6	54	31	9	445
C. They match just a little of what I have learned.	24	2	18	5	45	1	9	3	27	445	28	5	33	29	33	437	21	4	47	36	13	442
D. There is no match.	7	0	0	2	67	1	33	0	0	443	6	0	38	31	31	436	6	2	35	37	25	438
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	36	3	19	10	63	1	6	2	13	449	22	7	47	19	26	440	25	9	53	27	10	446
B. good	47	2	10	14	67	3	14	2	10	448	54	7	48	26	19	443	54	6	55	30	9	445
C. fair	16	0	0	1	14	4	57	2	29	434	22	3	39	38	21	439	19	3	43	40	15	441
D. poor	2	0	0	0	0	0	0	1	100	414	2	9	0	45	45	431	3	2	28	42	29	435
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	27	1	8	5	42	3	25	3	25	441	24	6	28	28	39	436	22	5	45	35	15	442
B. about the same as my regular schoolwork	59	3	12	17	65	4	15	2	8	449	63	6	49	30	15	443	62	7	53	31	9	445
C. easier than my regular schoolwork	14	1	17	3	50	0	0	2	33	440	13	6	54	16	24	443	16	7	52	28	13	444
How often do you have science classes?																						
A. every day	17	1	13	5	63	1	13	1	13	449	13	6	42	23	28	441	24	7	48	33	12	444
B. a few times a week	41	2	11	12	63	1	5	4	21	444	53	5	48	27	20	442	53	7	54	31	9	445
C. once a week	9	0	0	2	50	2	50	0	0	442	13	9	42	30	19	442	9	6	46	33	15	442
D. a few times a month	33	2	13	7	47	4	27	2	13	447	20	7	40	29	24	440	14	5	50	31	14	443
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	4	0	0	1	50	1	50	0	0	440	14	4	33	29	33	437	25	5	48	34	13	443
B. I work in groups to design and conduct experiments.	54	2	8	13	52	5	20	5	20	442	39	4	45	31	21	441	27	4	46	37	13	442
C. I do a combination of A and B, but mostly A.	9	1	25	1	25	1	25	1	25	444	17	10	47	23	20	444	26	7	56	28	8	445
D. I do a combination of A and B, but mostly B.	33	2	13	11	73	1	7	1	7	452	30	8	48	25	19	442	22	9	55	26	9	446
Optional school/SAU question																						
A.	0										33	0	0	0	100	410						
B.	100	0	0	0	0	1	100	0	0	434	33	0	0	75	25	426						
C.	0										8	0	0	0	100	420						
D.	0										25	33	0	0	67	427						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Number